



## Brazil - India - Cuba - China - United Kingdom (BIC<sup>2</sup>UK) Conference on Nanomaterials & Machine Learning

### Second announcement

We are proud to announce that Brazil - India - Cuba - China - United Kingdom (BIC<sup>2</sup>UK) conference on Materials and Machine Learning is now part of the ***International Scientific Convention "Universidad de La Habana 2023"***, and it is dedicated to the ***University of Havana's 295th anniversary***.

This is a joint online conference on Materials and Machine Learning. The Federal University of Rio de Janeiro, Mahatma Gandhi University, Havana University, the University of Shanghai for Science and Technology, and Loughborough University will co-host this Conference between May 29 and June 2 next year.

The BIC<sup>2</sup>UK Conference is looking for remarkable works dealing with Advances in Nanomaterials and Machine-Learning-Assisted Nanomaterials, including applications in Simulation, Detection, Classification, and Imaging. This Conference is focused on nanomaterials, nanocomposites, their applications, and ML tools developed to assist in obtaining, classifying, quantifying, or understanding the properties of these materials.

Authoritative abstracts describing recent findings in advanced nanomaterials are expected to cover various topics. It is aimed at scientists and academics from the country and the world, as well as students.

The BIC<sup>2</sup>UK Committee welcomes you. It will be a pleasure to count on your presence and experience at this critical event.

## Organizing Committee

### PRESIDENT

- Fernando Gomes de Souza Junior, Ph.D

### CHAIRPERSONS

- Fernando Gomes de Souza Junior, Ph.D.
- Sabu Thomas, Ph.D.
- Dionisio Zaldiva Silva, Ph.D.
- Diganta Das, Ph.D.
- Ruizhuo Ouyang, Ph.D.
- Yuqing Miao, Ph.D.

### INTERNATIONAL CONVENER

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- Nathali Ricardo Barbosa de Lima, Ph.D.

### PUBLICITY CHAIRPERSON

- Mostafa Aboelkheir, Ph.D.

## Scientific Committee

### PRESIDENT OF THE SCIENTIFIC COMMITTEE

- Fernando Gomes de Souza Junior, Ph.D.

### INTERNATIONAL SCIENTIFIC COMMITTEE

- Antonio Gomes de Souza Filho, Ph.D.
- Arumugaprabu Veerasimman, Ph.D.
- Diego Ferreño Blanco, Ph.D.
- Diganta Das, Ph.D.
- Dionisio Zaldivar Silva, Ph.D.
- Fernando Gomes de Souza Junior, Ph.D.
- Gerardo Rodríguez-Fuentes
- Jozef T. Haponiuk, Ph.D.
- Kaushik Pal, Ph.D.
- Maciej Jaroszewski, Ph.D.
- Mario Alexandre Gazziro, Ph.D.
- Mostafa Aboelkheir, Ph.D.
- Nathali Ricardo Barbosa De Lima, Ph.D.
- Osvaldo Novais de Oliveira Junior, Ph.D.
- Ruizhuo Ouyang, Ph.D.
- Sabu Thomas, Ph.D.
- Yuqing Miao, Ph.D.

## Activities

### Monday – May 29, 2023.

- 08:30 AM – 09:00 AM - Opening Session.
- 09:00 AM – 11:00 AM - Plenary Talk - Professor Sabu Thomas: Nanostructured Polysaccharides Materials for Water Purification.
- 11:00 AM – 12:00 PM - Lecture - Professor Arumugaprabu Veerasimman: Performance of Biochar based advanced materials - Nano and Micro scale.
- 01:00 PM – 15:00 PM - Plenary Talk - Professor Diego Ferreño Blanco: Multidisciplinary applications of Machine Learning in the field of Science of Materials.
- 15:00 PM – 17:00 PM - Plenary Talk - Professor Gerardo Rodríguez-Fuentes: NEREA Technology: A new paradigm for Agriculture.
- 18:00 PM – 20:00 PM - Plenary Talk - Professor Jozef T. Haponiuk.

### Tuesday – May 30, 2023.

- 09:00 AM – 11:00 AM - Plenary Talk - Professor Diganta Das: Enabling Technology Using Concepts of Porous Media: Where is the scope for Artificial Intelligence?
- 11:00 AM – 12:00 PM - Lecture - Professor Mario Gazirro: Handheld appliance for shadow elimination in chroma key scenarios using low-processing neural networks.
- 13:00 PM – 15:00 PM - Plenary Talk - Professor Antonio Gomes Souza Filho.
- 15:00 PM – 17:00 PM - Plenary Talk - Plenary Talk - Professor Yuqing Miao - Introduction to Institute of Bismuth Science and its research.
- 18:00 PM – 20:00 PM - Plenary Talk – Professor Kaushik Pal: Emerging hybrid nanomaterials role in current research trends: Academia to industry aspects.

### **Wednesday – May 31, 2023.**

- 09:00 AM – 11:00 AM - Plenary Talk – Professor Osvaldo Novais de Oliveira Junior: Machine learning and knowledge discovery in materials sciences.
- 11:00 AM – 12:00 PM - Lecture - Professor Fernando Gomes: Phase Changing Materials, Energetic Materials, and Citizen Science: How can Machine Learning help?
- 13:00 PM – 15:00 PM - Plenary Talk - Professor Maciej Jaroszewski: Insulating Nanoliquids.
- 18:00 PM – 20:00 PM - Plenary Talk - Plenary Talk - Professor Ouyang Ruizhuo: The Versatile Biomedical Applications of Bismuth.

### **Thursday – June 01, 2023.**

- 09:00 AM – 13:00 PM - Short Talks.
- 13:00 PM – 14:00 PM - Lecture - Professor Fabricio Almeida: Artificial Intelligence - Myths, scenarios and technological disruption.
- 14:00 PM – 19:30 PM – Talks.
- 20:00 PM - 20:30 PM - Closing Session.



## Scientific Program

The Convention will include Plenary Talks, Lectures, Talks, and Short Talks, which will become excellent spaces for debating and updating the leading role of science and innovation in today's academic world.

**Official language:** English. Abstracts can be submitted in English (preferred), Spanish, or Portuguese.

### Rules for presentation

Abstracts will be uploaded to the event website during registration, using the submission form, in a single paragraph with no more than 2584 characters, excluding title and affiliation.

#### Submission

Modality

Abstract

Subject area

- Select -

Title


Summary

0 characters (Minimum: 1 and Maximun: 2584)

Keywords

Separated by Comma

Authors

 Add Author (11)

I declare that I have read and agree with the submission rules

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**Structure of the abstract:** background, objectives, results, and conclusions. Abstracts will be examined by the Scientific Committee, which will decide on their acceptance.



## Important Dates

Start date for abstract submission	Dec-12-2022
Deadline for abstract submission and registration	April-28-2023
Notification of acceptance of papers	May-12-2023
Early free registration	Before Jan-05-2023
Opening Ceremony	May 29, 2023
Closing Ceremony	June 1, 2023

## Registration Fees

Category	Before January, 5	From May,1	From June, 3	From June,4
Undergraduate Student	Free	US\$ 35	US\$ 53	US\$ 71
Graduate Student	Free	US\$ 66	US\$ 99	US\$ 132
Professional	Free	US\$ 190	US\$ 286	US\$ 380
Abstract	US\$4.99	US\$4.99	US\$4.99	US\$4.99

Payment of the registration fee shall be made through the event's platform <https://www.even3.com.br/BIC2UK/> in the corresponding category.